

60246-271
10782**IN THE SPECIFICATION:**

Please amend paragraph 34 as follows:

The sensor system 56 detects or estimates the amount of carbon dioxide refrigerant in the vapor compression system 20. When the sensor system 56 detects or estimates that the amount of the refrigerant in the system 20 is above a threshold value, there is too much charge in the system 20. The sensor system 56 sends a signal to a control 68, indicating that the refrigerant level is above the threshold value. The control 68 provides a signal to open a valve ~~72-73~~ on a refrigerant line in the system 20 to purge carbon dioxide refrigerant from the system 20. The valve ~~72-73~~ can be located anywhere on the refrigerant line of the vapor compression system 20. When the sensor system 56 detects or estimates that the amount of refrigerant is below the threshold value, the control 68 provides a signal to close the valve ~~72-73~~ to stop removal of the carbon dioxide refrigerant from the system 20. The threshold value depends on many factors, such as the size of the vapor compression system 20, and one skilled in the art would know what threshold value to employ.